Lead Project Scientist

	Experiment name
0	Mission ID WXD7A Earl7
Preflight	
1.	Participate in general mission briefing.
2.	Determine specific mission and flight requirements for assigned aircraft.
2. 3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
4.	Contact HRD members of crew to: a. Assure availability for mission. b. Review field program safety checklist c. Arrange ground transportation schedule when deployed. d. Determine equipment status.
5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
6.	Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.
8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
9.	Make sure each HRD flight crew member has a life vest.
10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
In-Flight	
1.	Confirm from AOC flight director that satellite data link is operative (information).
2.	Confirm camera mode of operation.
3.	Confirm data recording rate.
4.	Complete Lead Project Scientist Form.
5.	Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are supposed to be made).
Post fligh	tempological supposed a tempological supposed by the sketch in the sketc
1.	Debrief scientific crew.
2.	Gather completed forms for mission and turn in to data manager at HRD.
3.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
4.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: all data i	removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
7.	Determine next mission status, if any, and brief crews as necessary.
8.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
9.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project	_ Experime	Experiment name				
Flight ID	_ Mission ID	Mission ID				
A. Participants:						
H	HRD		AO	C		
Function	Participant	Functio	on	Participant		
Lead Project Scientis	st Clore	Flight D	Director	Seas		
Radar/Workstation	Millokeyl	Pilots	À	Seas reliances or		
	I.M. HICKORIA	Navigat	or	Tloan		
Cloud Physics		Systems	s Engineer	5/0aN Bast		
Photographer/Observ/Guests	ver	Data Te	chnician			
Dropwindsonde	Loidton	Electron	nics Technician			
AXBT/AXCP	dinadi wasa niguri tibut na s	Other				
B. Take-off and Landrake-Off: 45 UT Landing: 45 UT		tions:		25%		
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D. Mission Briefing:

Storm or Project	Experiment name	30215	(00)
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Flight ID _____

Mission ID_

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF				# 17 6×3
Doppler Radar/TA	early to			
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP	-500 100 500		2. Pet 3)	
Ozone instrument				
Workstation				
Cameras				3/8/

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Lead Project Scientist Event Log

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Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF) Lead Project Scientist Radar Scientist Cloud Physics Scientist___ Dropwindsonde Scientist_ Boundary-Layer Scientist_ Workstation Scientist Observers Mission Briefing: (include sketch of proposed flight track or page #) Mission Synopsis: (include plot of actual flight track) Evaluation: (did the experiment meet the proposed objectives?)

Jes all objects Problems:(list all problems) Nove vertull

AXBTs:

Sonobuoys: